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AGRICULTURE PROFILE

DUNCAN DISTRICT

Province of British Columbia
Ministry of Agriculture and Food

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BRITISH COLUMBIA AGRICULTURAL REPORTING REGIONS

ACKNOWLEDGEMENTS

This series of agricultural profiles was produced by the Policy Development and Economics Division, British Columbia Ministry of Agriculture and Food.

The report is descriptive, and includes statistical information from a variety of sources. It is designed primarily as an information base for use by Ministry of Agriculture and Food staff in district goal identification and program planning.

The authors acknowledge with gratitude the assistance and co-operation received from individuals and organizations both public and private during the preparation of this report.

This report is one of a series covering the eighteen District Agriculturists' Office Areas of British Columbia.

Abbotsford
Chilliwack
Cloverdale
Courtenay
Cranbrook
Creston
Dawson Creek
Duncan
Fort St. John
Kamloops
Oliver
Prince George
Quesnel
Salmon Arm
Smithers
Vanderhoof
Vernon
Williams Lake

AGRICULTURAL PROFILE - DUNCAN DISTRICT

PREFACE

BACKGROUND

The British Columbia Ministry of Agriculture and Food has divided the Province into eighteen agricultural districts, each served by a District Agriculturist. Profiles of these districts were first developed in 1980 under the Canada-British Columbia Agriculture and Rural Development Subsidiary Agreement (A.R.D.S.A).

The availability of new data from the 1981 Census of Agriculture resulted in a need for major revision. The present profile is an updated version reflecting the Census information. At the same time, the profiles have been expanded to include information not previously available, and many of the tables have been restructured to show a more detailed breakdown of different variables by farm sales.

CAVEAT

As the agricultural districts were designed to meet the needs of the farming community, and as their boundaries were developed to ensure efficient use of the District Agriculturist's time, the boundaries do not necessarily coincide with those of the Census Divisions or Subdivisions. However, statistical data from the Census of Agriculture is currently only available for Census Divisions and Subdivisions. An attempt was made, both in the original profiles and in these updates, to choose census divisions and subdivisions which most closely represent the agricultural districts. In this profile all references to the Duncan District are to the area covered by census divisions 17-Capital and 19-Cowichan Valley.

STRUCTURE

The profiles have been designed to provide a comprehensive source of statistical information on each agricultural district. They have been divided into three sections: an overview of the district, a description of the farms and farmers of the district, and a description of the farm products of the district.

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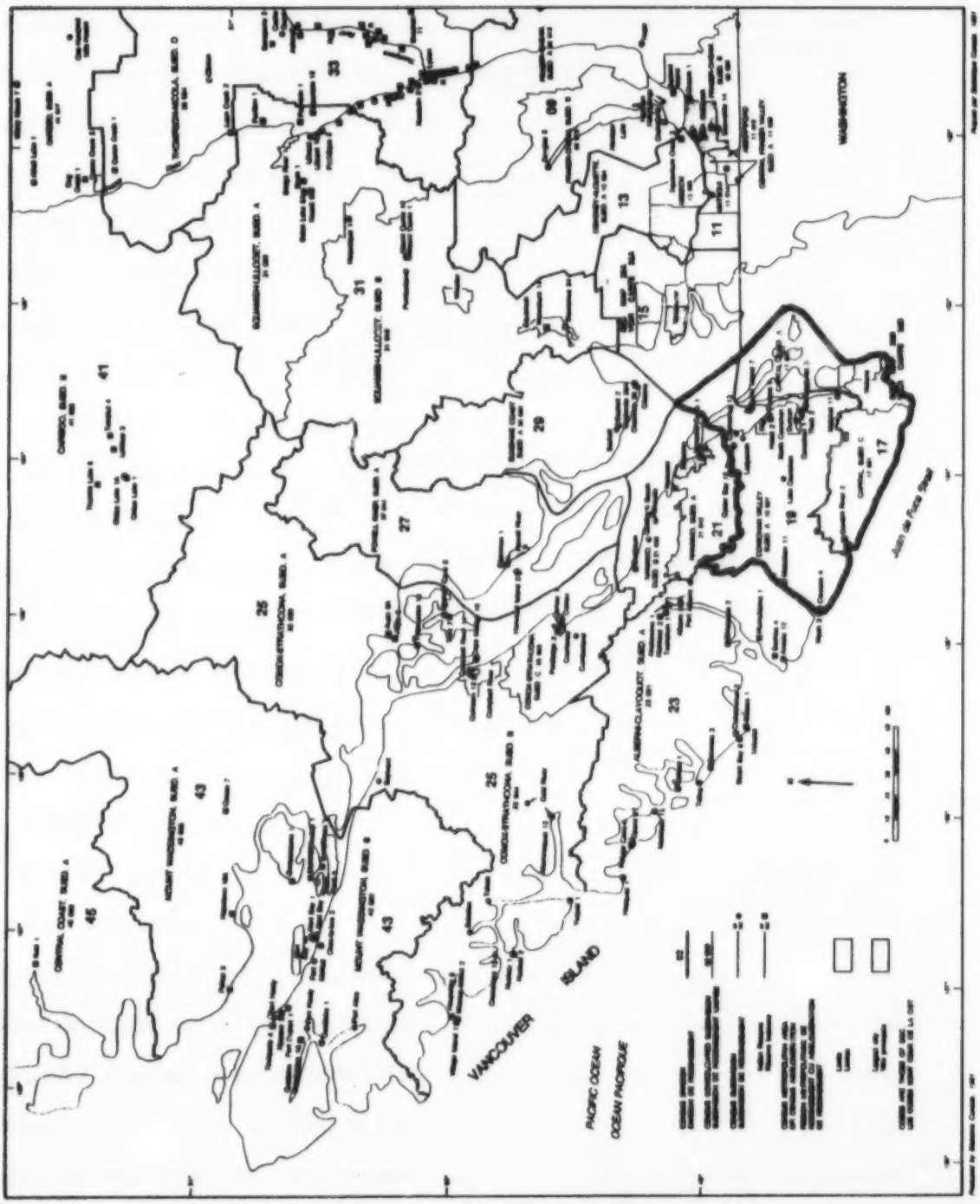
DUNCAN AGRICULTURAL DISTRICT



OVERVIEW: DUNCAN DISTRICT OFFICE AREA

The Duncan Agricultural District is in the South Coastal Agricultural Reporting Region and covers the southern quarter of Vancouver Island. The district is located within the Coast Region where typical climatic conditions include abundant precipitation and mild temperatures. The area has a long frost free period and mild winters.

Census figures indicate a 1981 population of 302,180 an increase of 8.8 percent over 1976 levels. The urban/rural population distribution has experienced a shift over the last few years with the urban segment now accounting for 80.2 percent of the total population up from 77.4 percent in 1976. Total experienced labour force totals 148,255, with the majority employed in the defence, manufacturing, personal services, trade and construction sectors.

Agricultural activity in the district is varied, and involves both hobby and commercial operations. In 1981, beef production was the primary activity of 26 percent of farms, dairy, poultry, fruits and vegetables and miscellaneous specialty accounted for 7, 13, 12 and 23 percent respectively. Dairying was the primary activity of 41 percent of holdings with sales greater than $50,000 in 1981. Farm cash receipts totalled $47.8 million in 1981, 5.3 percent of the provincial total. Dairy products, poultry/eggs, and floriculture/nursery accounted for 26, 25 and 10 percent of receipts respectively.

Urban expansion pressures are resulting in erosion of the land base and escalating land prices. In 1983, farmland prices averaged $16,700 per hectare. High land prices create a requirement for higher returns to land use, and for land remaining in agriculture production yields need to be increased to meet high opportunity costs. In Duncan this entails raising forage yields and increasing intensive production of vegetables and fruit.

The Duncan District accounts for 26,329 hectares in agricultural holdings, approximately 1 percent of the provincial total. The Agricultural Land Commission had designated 37,570 hectares as potentially arable. The total number of farms enumerated in 1981 was 1,276. Farms are smaller than the provincial average in Duncan where 90 percent of holdings are less than 53 hectares. Average farm size is 20 hectares compared to 109 hectares for the province as a whole. In 1981, 54 percent of farmland was classified as improved compared with 43.4 percent for the province.

TABLE 1

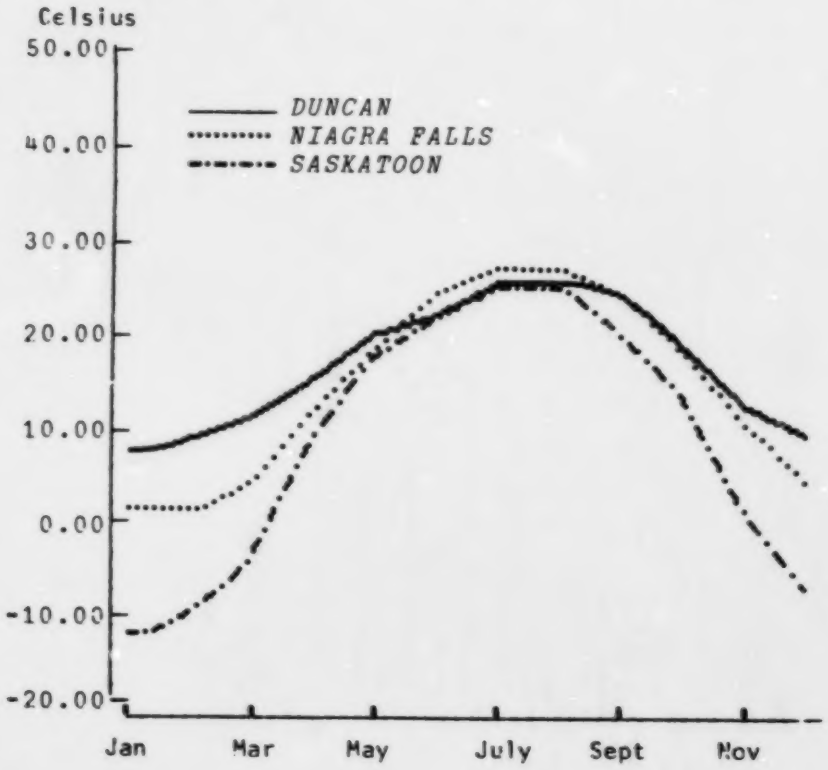
CLIMATIC DATA

DUNCAN/NIAGARA FALLS/SASKATOON COMPARED

	DUNCAN	NIAGARA FALLS	SASKATOON
Growing Degree Days	1,878.3	2,472.7	1,619.9
Frost Free Period	158	172	117
Total Precipitation	1,042.3	942.3	348.8

Source: Canadian Climate Normals 1951-1980
Temperature and Precipitation Normals 1951-1980
Environment Canada

MEAN DAILY MAXIMUM TEMPERATURES COMPARED



SOUTH COASTAL ALR AREAS

LEGEND

- Agriculture Land Reserve Areas
- Isolated Agriculture Land Reserve Pockets
- Regional District Boundaries

TABLE 2
DUNCAN AGRICULTURAL DISTRICT
AGRICULTURAL LAND RESERVE AREAS IN HECTARES
SUMMARY TABLE: LAND CAPABILITY CLASS BY PRESENT LAND USE

Present Land Use

	1	2	3	4	1-4	5	6	7	Water	Total	%Total
Forages and Grains	730	6,750	1,220	750	9,450	320	50	70	0	9,890	26
Horticulture	270	820	40	10	1,140	0	10	0	0	1,150	3
Grassland and Pasture	150	1,410	1,750	470	3,780	730	170	200	0	4,160	11
Forest	300	6,230	4,100	2,420	13,050	4,200	710	1,300	0	19,620	52
Non-Productive Lands	40	380	630	230	1,280	150	20	70	450	1,970	5
Total	1,490	15,590	7,740	3,880	28,700	5,760	960	1,640	450	37,510	
% Total	4	42	21	10	76	15	3	4	1		

Source: B.C. Land Inventory Report, Vol. 1, 2
Talisman Project Inc., 1980.

SOUTH COASTAL LAND CAPABILITY

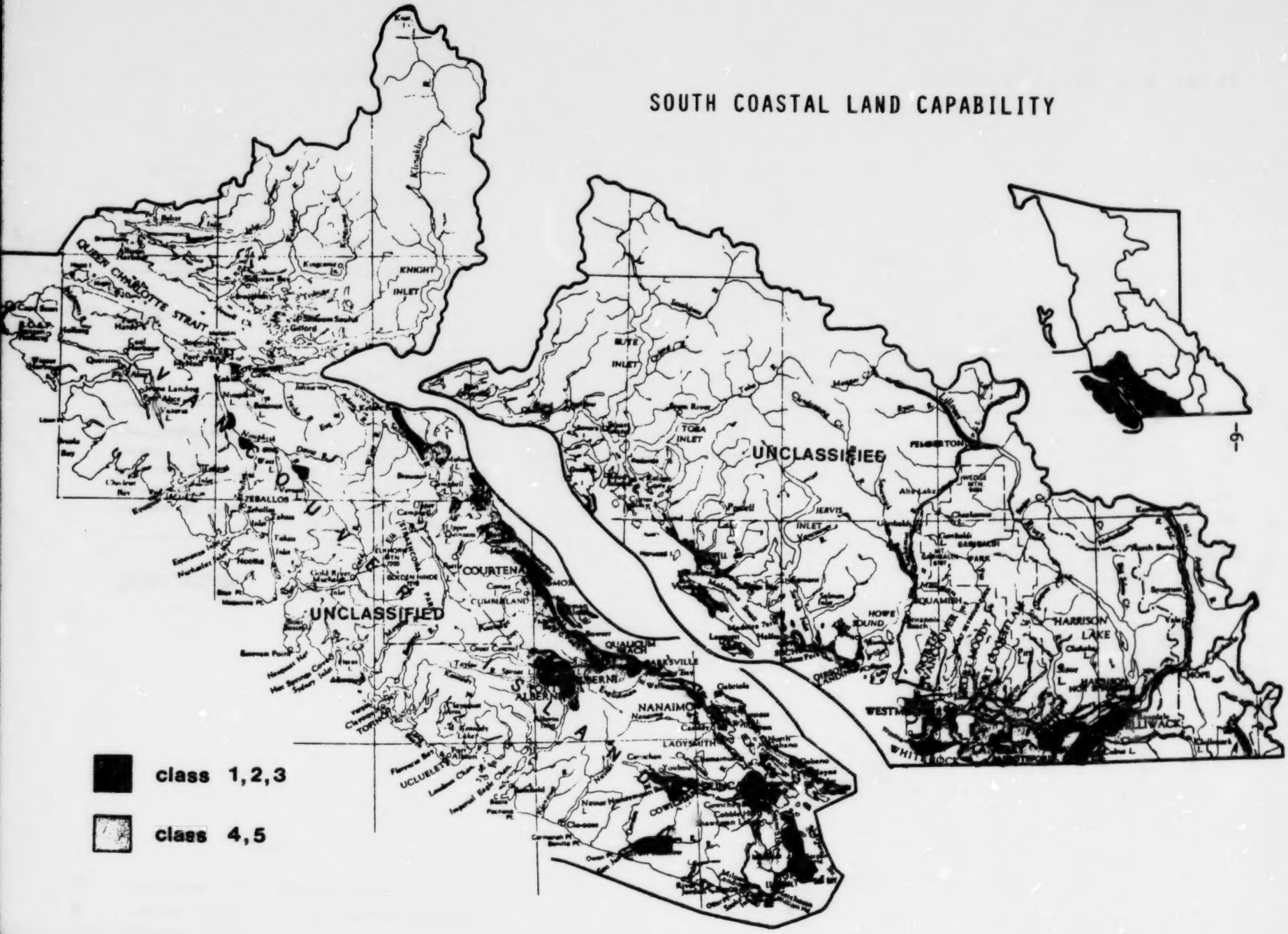


TABLE 3

SOUTH COASTAL AGRICULTURAL REPORTING REGION

AGRICULTURE LAND CAPABILITY

Class	1	2	3	4	5	6	7	Water Surface	Other*	Total
Hectares:										
Unimproved	6,073	61,583	84,984	117,681	257,206	72,854	818,677	1,275,901	7,601,844	10,296,804
Improved**	16,239	88,366	103,724	158,330	160,943	72,811	818,645	1,275,901	7,601,844	10,296,802
Percent:										
Unimproved	0.06	0.60	0.83	1.14	2.50	0.71	7.95	12.39	73.83	100.0
Improved**	0.16	0.86	1.01	1.54	1.56	0.71	7.95	12.39	73.83	100.0

*Other includes unclassified urban areas, national parks and unmapped portions of the district.
**Rating if land unit were irrigated and/or drained.

Source: Agriculture Land Capacity in British Columbia, ARDA Project #89077, 1976.

TABLE 4
VICTORIA REGION
AGRICULTURE AND GRAZING LEASE DATA IN HECTARES

Lease Type: Grazing

Year	No. of Leases	Area
1983	1	27.36
1982	0	-
1981	0	-
1980	0	-
1980-1983	1	27.36
TOTAL	3	123.6

Lease Type: Extensive Agriculture

1983	0	-
1982	0	-
1981	0	-
1980	0	-
1980-1983	0	-
TOTAL	0	-

Lease Type: Intensive Agriculture

1983	0	-
1982	0	-
1981	0	-
1980	0	-
1980-1983	0	-
TOTAL	0	-

Total lease area in Victoria Region: 1980-1983: 27.36
Total lease area in Victoria Region: 135.82

Source: B.C. Crown Land: Range and Cultivated Land Inventory, B.C.M.A. 1984

TABLE 5

USE OF LAND BY FARM SALES CLASS DUNCAN, 1981-IN HECTARES

	$250-1599	$1600-2499	$2500-4999	$5000-9999	$10000-49999	$50000 OR MORE	TOTAL
Number of Farms	318	225	271	153	156	153	1,276
Total Area of Farms	2,664	2,026	4,931	3,599	6,295	6,813	26,329
Total Improved Land Area	1,140	1,049	1,931	1,832	2,920	5,350	14,221
Farms Reporting	528	435	818	950	1,672	4,046	8,449
Area of Improved Pasture	204	142	187	118	133	136	920
Farms Reporting	378	438	814	686	905	668	3,888
Area in Summer Fallow	150	133	173	98	72	57	683
Farms Reporting	50	10	49	32	89	290	520
Other Improved Land Area	19	9	13	9	14	9	73
Farms Reporting	185	166	250	163	255	346	1,365
Total Unimproved Land Area	218	166	203	118	113	121	939
Woodland Area	1,532	981	3,006	1,770	3,378	1,462	12,129
Farms Reporting	381	486	1,817	930	1,691	817	6,122
Other Unimproved Land Area	100	75	86	61	60	45	427
Farms Reporting	1,151	495	1,189	840	1,687	646	6,007
	123	91	123	64	66	72	539

Source: 1981 Census of Agriculture
December 1983

TABLE 6

DUNCAN AGRICULTURAL DISTRICT:

NUMBER OF FARMS BY FARM SALES CLASS

SALES	$-2499	$2500-4999	$5000-9999	$10,000+
1971	706	94	66	240
1976	722	132	61	241
1981	543	271	153	309

Source: 1981 Census of Agriculture.

TABLE 7

DUNCAN AGRICULTURAL DISTRICT

FARMS CLASSIFIED BY PRODUCT TYPE AND SALES -1981 CENSUS

	$250-1599	$1600-2499	$2500-4999	$5000-9999	$10000-49999	$50000 OR MORE	TOTAL
Dairy	4	4	7	5	6	63	89
Cattle	62	65	84	60	53	7	331
Hogs	9	5	10	4	8	2	38
Poultry	61	30	32	9	9	28	169
Wheat	-	-	-	-	2	1	3
Small Grains	1	2	-	-	1	-	4
Other Field Crops	18	13	10	8	3	7	59
Fruits and Vegetables	53	24	37	17	11	7	149
Miscellaneous Specialty	75	43	56	29	52	33	288
Livestock Combination	23	26	30	15	7	1	102
Field Crop Combination	-	1	-	-	-	-	1
Other Combinations	12	12	5	6	4	4	43
TOTAL	318	225	271	153	156	153	1,276

SOURCE: Census of Agriculture, 1981

TABLE 8

DUNCAN AGRICULTURAL DISTRICT

FARMS CLASSIFIED BY SIZE AND SALES-1981 CENSUS

	$250-1599	$1600-2499	$2500-4999	$5000-9999	$10000-49999	$50000 OR MORE	TOTAL
1-2 Acres	53	11	11	5	9	5	94
3-9 Acres	127	93	83	31	30	29	393
10-69 Acres	123	106	136	80	64	45	554
70-129 Acres	8	7	25	18	25	28	111
130-179 Acres	5	5	5	8	9	14	46
180-239 Acres	1	2	4	3	5	16	31
240-399 Acres	-	1	5	6	6	10	28
400-559 Acres	-	-	1	1	3	1	6
560-759 Acres	-	-	-	1	1	3	5
760-1119 Acres	-	-	-	-	2	1	3
1120-1599 Acres	-	-	-	-	1	1	2
1600 Acres and Over	1	-	1	-	1	-	3
TOTAL	318	225	271	153	156	153	1,276

SOURCE: Census of Agriculture, 1981

DUNCAN: AGRICULTURAL RESOURCE BASE

Farm Taxfiler's Income

The district has a relatively high proportion of low income operations. In 1981, 76 percent of farms had sales less than $10,000 compared to 50 percent for B.C. as a whole. Average gross farm income reported was $27,200 in 1981 compared to $39,959 provincially. A good proportion of agricultural activity in this district is on a small scale, often as a subsidiary activity to other employment. Almost all taxfilers in the Duncan District reported some off farm income, with 57 percent reporting wages and salaries.

Agricultural Employment

Over 92 percent of reported days off farm work included non agricultural labour, approximately 88 percent of off farm work was reported from holdings with sales less than $10,000. Farm operators hired an average 20 weeks of farm labour, compared with 24 weeks for the province as a whole. In 1981, farms with sales greater than $50,000 provided 76 percent of agricultural employment.

Agricultural Land Development Act

Between 1971 and 1981 the number of agricultural holdings has increased 10 percent in the Duncan District. Land clearing now accounts for 38 percent of A.L.D.A. expenditures, clearing costs per hectare doubled over the period 1976-81. Drainage and irrigation also represent a major area where A.L.D.A. funds are utilized. Operators report using 4,142 tonnes of fertilizer on 7,873 hectares of agricultural land in 1981.

Farm Capital

The total nominal value of farm capital has increased from $213 million in 1976 to $531 million in 1981. The per farm average rose from $185,000 to $416,000 over the same period. The proportion of investment in land and buildings has remained relatively constant since 1976. In 1981, total farm capital per hectare was $20,159, five times the provincial average.

Age of Operators

The age distribution of farmers remained relatively constant over the period 1976-81 with the largest increase in the 35-44 age group, the total number of farmers increased 10 percent during this period and now represents 6.4 percent of the provincial total.

TABLE 9

DUNCAN AGRICULTURAL DISTRICT

FARMS CLASSIFIED BY CAPITAL VALUE AND SALES-1981 CENSUS

Capital Value	Sales $250-2499	$2500-9999	$10000-49999	$50000 OR MORE	TOTAL
Less Than $10,000	2	-	1	-	3
$10,000-24,999	7	2	1	-	10
$25,000-49,999	8	6	-	1	15
$50,000-99,999	48	21	5	-	74
$100,000-199,999	194	120	23	6	343
$200,000-499,999	237	200	66	48	551
$500,000 AND OVER	47	75	60	98	280
TOTAL	543	424	156	153	1,276

SOURCE: Census of Agriculture, 1981

TABLE 10

TOTAL FARM CAPITAL BY FARM SALES, 1981: DUNCAN DISTRICT

	$250-2499	$2500-9999	$10000-49999	$50000+	TOTAL
NUMBER OF FARMS	543	424	156	153	1,276
TOTAL CAPITAL VALUE	144,889,282	142,160,560	84,960,552	158,755,338	530,771,732
VALUE OF LAND & BUILDINGS	137,149,651	132,366,668	77,818,580	134,013,339	481,348,238
VALUE OF MACHINERY	5,755,973	6,583,354	4,298,211	12,884,723	29,522,261
VALUE OF LIVESTOCK-POULTRY	1,983,658	3,210,538	2,849,761	11,857,276	19,901,233
AVERAGE CAPITAL VALUE	266,831	335,284	544,657	1,037,617	
RATIO OF CAPITAL VALUE TO MIDDLE VALUE OF FARM SALES CLASS	194	54	18	14	

SOURCE: Census of Agriculture, 1981

TABLE II

1983 SALES OF FARMS-SOUTH COASTAL REGION

Area Name	No. Pcls.	Hectares	Sale Price $000s	Value of Improvements	Residual Value	Actual Value	Assessment Sales Ratio	Mkt Value $/Hectare
Saanich	3	53	1,019	$140,500	$878,500	$164,294	0.187	16,517
Capital	1	1.7	115	10,250	104,750	4,536	0.043	64,159
Cowichan Valley	13	96	2,123	514,150	1,608,850	248,800	0.155	16,754
Nanaimo	3	21	379	12,100	366,900	94,400	0.257	17,362
Port Alberni	3	142	676	262,050	413,905	267,127	0.645	2,906
Courtenay	4	17	401	69,350	331,650	55,475	0.167	19,297
Sunshine Coast	-	-	-	-	-	-	-	-
North Shore	-	-	-	-	-	-	-	-
Vancouver	-	-	-	-	-	-	-	-
Burnaby-New West	-	-	-	-	-	-	-	-
Richmond-Delta	17	210	9,107	923,100	8,183,873	902,688	0.110	39,019
Coquitlam	-	-	-	-	-	-	-	-
Dewdney-Alouette	25	181	3,747	860,350	2,886,626	969,974	0.336	15,914
Surrey-White Rock	12	74	2,897	462,300	2,434,408	701,085	0.288	32,895
Lang/Mats/Abbots.	85	696	23,302	2,793,000	20,509,091	4,331,537	0.210	29,458
Chilliwack	29	131	4,018	1,199,150	2,818,576	671,898	0.238	21,550

Source: B.C. Assessment Authority.

TABLE 12

AVERAGE AGE OF FARMERS: DUNCAN DISTRICT

	1976	1981	CHANGE
Under 25	13	11	-2
25 - 34	121	168	+47
35 - 44	232	318	+86
45 - 54	343	314	-29
55 - 59	149	158	+9
60- 64	107	134	+27
65 - 69	82	87	+5
70 & Over	109	86	-23
TOTAL	1,156	1,276	+120
TOTAL PERCENT OF B.C.	5.9	6.4	

SOURCE: Census of Agriculture, 1981

TABLE 13
DUNCAN DISTRICT
FARM TAXFILER'S INCOME 1980.

	# of Farm Taxfilers	Average Gross Farm Income $'000s	Total Gross Farm Income $'000s	# Reporting Farm Net Income	Average Net Farm Income	Total Net Farm Income $'000s	# Reporting Wages & Salaries	Average Wage & Salary $'000s	# Reporting Off Farm Income	Average Off Farm Income $'000s	Total Off Farm Income $'000s	Average Income All Sources $'000s	Total Income All Sources $'000s
Capital	385	15.4	5,920.5	378	(640)	(296.4)	219	10.5	380	19.6	7,531.0	18.9	7,284.6
Victoria	680	31.8	21,635.6	664	1,408	957.4	360	12.6	670	23.7	1,600.0	25.1	17,039.4
Cowichan Valley	560	29.7	16,616.9	549	776	434.6	344	13.2	550	21.1	11,813.8	21.9	12,248.3
Total	1,625	27.2	44,173.0	1,591	705	1,145.6	923		1,600	21.8	35,426.8	22.5	36,572.4

Source: Revenue Canada.

TABLE 14

OFF-FARM WORK BY FARM OPERATORS BY TYPE OF WORK & FARM SALES, 1981: DUNCAN

	$250-1599	$1600-2499	$2500-4999	$5000-9999	$10000-49999	$50000 OR MORE	TOTAL
NUMBER OF FARMS	318	225	271	153	156	153	1,276
DAYS OF OFF-FARM WORK	35,557	29,068	31,368	15,479	11,082	4,757	127,311
FARMS REPORTING	171	141	153	82	68	21	636
AGRICULTURAL OFF-FARM WORK	2,551	958	771	1,106	1,070	3,066	9,522
FARMS REPORTING	22	9	9	17	12	12	81
NON-AGRICULTURAL OFF-FARM WORK	33,006	28,110	30,597	14,373	10,012	1,691	117,789
FARMS REPORTING	156	133	147	72	58	12	578

SOURCE: Census of Agriculture, 1981

TABLE 15
DUNCAN AGRICULTURAL DISTRICT
OFF FARM WORK BY FARM OPERATORS BY NUMBER OF DAYS AND FARM SALES-1981 CENSUS

	$250-1,599	$1,600-2,499	$2,500-4,999	$5,000-9,999	$10,000-49,000	$50,000+	TOTAL
1-6 Days	1	1	-	3	5	-	10
7-12	2	-	4	2	1	-	9
13-24	1	3	1	3	2	1	11
25-48	4	4	6	2	6	3	25
49-72	7	6	3	1	4	1	22
73-96	9	7	7	1	2	-	26
97-126	5	4	9	6	6	1	31
127-156	11	9	7	8	4	-	39
157-228	58	42	45	22	14	2	183
229-365	73	65	71	34	24	13	280
Total	171	141	153	82	68	21	636

Source: 1981 Census of Agriculture.

TABLE 16

HIRED AGRICULTURAL LABOUR BY FARM SALES, 1981: DUNCAN

	$250-1599	$1600-2499	$2500-4999	$5000-9999	$10000-49999	$50000 OR MORE	TOTAL
NUMBER OF FARMS	318	225	271	153	156	153	1,276
TOTAL WEEKS OF HIRED LABOUR	1,439	389	786	1,044	2,414	19,670	25,742
FARMS REPORTING	32	42	69	73	88	144	448
WEEKS OF YEAR-ROUND LABOUR	818	208	406	452	1,140	13,691	16,715
FARMS REPORTING	10	12	14	14	25	104	179
WEEKS OF SEASONAL LABOUR	621	181	380	592	1,274	5,979	9,027
FARMS REPORTING	24	30	57	60	76	93	340

SOURCE: Census of Agriculture, 1981

TABLE 17

AGRICULTURE LAND DEVELOPMENT ACT WORK DONE, 1976 - 1981: DUNCAN DISTRICT OFFICE AREA

	CLEARED			BROKEN			IRRIGATION	DRAINAGE	OTHER	TOTAL
Fiscal Year	Hectares	Cost/ Hectare $	Cost $'000	Hecatares	Cost/ Hectare $	Cost $'000	Cost $'000	Cost $'000	Cost $'000	$'000
1976	27	861	23	-	-	-	21	-	7	51
1977	19	1,051	20	10	395	4	4	-	3	31
1978	23	1,147	26	4	495	2	9	6	25	68
1979	1	-	*	-	-	-	24	13	19	56
1980	30	1,067	32	6	500	3	5	5	3	48
1981	10	1,800	18	7	1,000	7	18	-	17	60

* Less than $1,000.

SOURCE: British Columbia Ministry of Agriculture and Food, A.L.D.A. Branch Records

TABLE 18

SPRAYING, DUSTING AND IRRIGATION, 1981: DUNCAN

Spraying and Dusting (any)	187
Weed Control (Hec.)	1,100
Farms Reporting	119
For Insect Control (Hec.)	622
Farms Reporting	134
Irrigation - Total Area (Hec.)	2,983
Farms Reporting	442
Sprinkler System - Total Area (Hec.)	2,728
Farms Reporting	381

SOURCE: Census of Agriculture, 1981

TABLE 19

FERTILIZER USE, 1981: DUNCAN

Total Area (hectares)	7,873
Tonnes	4,142
No. Reports of Any Use	601
Total Cropland (Hec.)	2,769
Tonnes	1,788
Reporting	265
Total Tame Hay (Hec.)	3,509
Tonnes	1,665
Reporting	314
Total Improved Pasture (Hec.)	1,595
Tonnes	689
Reporting	261

SOURCE: Census of Agriculture, 1981

DUNCAN AGRICULTURAL PRODUCTION

Field Crops

Field crop production was valued at $131,000 in 1981 with wheat and barley accounting for the majority of this total. Livestock producers are becoming more aware of the importance of growing their own forage in the face of rising prices and freight rates. As a result the area planted in fodder crops has increased to 6,027 hectares over the period 1976-81.

Field vegetable production was valued at $2.7 million in 1981 with potatoes accounting for $1.5 million or 8 percent of the B.C. potato crop. Over 76 percent of vegetable acreage is concentrated in the $50,000 sales class. Sweet corn, cauliflower and carrots are among the most important vegetables in terms of acreage. Hothouse vegetable receipts totalled $4.6 million in 1981, nearly 16 percent of the provincial total hothouse crop.

Small Fruit

Small fruit production, mainly strawberries and other berries were valued at $438,000 in 1981. Most of the acreage planted in small fruits is concentrated in higher sales class holdings. Tree fruits accounted for $631,000 of 1981 farm cash receipts. Apple cultivation accounts for 70 percent of tree fruit area. Approximately 79 percent of tree fruit cultivation occurs on farms with sales less than $10,000. The value of nursery/floriculture crops totalled $5.0 million in 1981 and the operators in the district have 123,199 square metres of greenhouse area up from 121,638 square metres in 1976.

Livestock and Related Products

Sales of livestock and products for 1981 were valued at $27.7 million or 58 percent of total farm cash receipts. Dairy products accounted for more than $12 million of this total or 5.7 percent of provincial dairy sales. Total cattle herd size increased by 22 percent to 18,358 head over the period 1976-81. The major limitation to beef production is a shortage of grazing area. However, many farmers are turning to feedlot operations and using increasing volumes of corn silage, rather than more grazing space. Hog production has shown significant expansion for several consecutive years, with the hog population more than doubling to 5,120 over the period 1976-81. Sheep production is relatively small but expanding, in 1981 the district had 14,000 head, up from 8,000 in 1976. Receipts totalled $560,000 or 21 of provincial sheep sales in 1981.

The 1981 census recorded 895,000 chickens, up 27 percent from 707,000 in 1976. Over 94 percent of this population is concentrated in the $50,000+ sales class. Honey production is also an important crop in the area, 1981 receipts totalled $1.7 million, one third of provincial honey output.

TABLE 20

ESTIMATE OF FARM CASH RECEIPTS, 1981

DUNCAN AGRICULTURAL DISTRICT

COMMODITY	FARM CASH RECEIPTS $'000	PERCENTAGE	PERCENTAGE OF B.C. OUTPUT
Wheat	112.91	0.24	1.28
Oats	7.26	0.02	0.25
Barley	10.71	0.02	0.13
CWB Payments	0.00	0.00	0.00
Canola	0.00	0.00	0.00
Potatoes	1,529.86	3.20	8.34
Small Fruits	437.82	0.92	1.15
Field Vegetables	1,163.56	2.44	3.99
Floriculture/Nursery	4,955.48	10.38	9.68
Forest Prod.	70.18	0.15	3.00
Cattle & Calves	1,618.94	3.39	1.32
Income Ins.	235.46	0.49	
Hogs	1,043.18	2.18	2.01
Income Ins.	1.89	0.00	
Sheep	560.09	1.17	21.24
Income Ins.	32.92	0.07	
Poultry & Eggs	12,098.50	25.33	8.97
Income Ins.	4.49	0.01	
Dairy Products	12,415.00	26.00	5.72
C.D.C. Subsidy	495.68	1.04	
Honey	1,670.25	3.50	32.75
Tree Fruit	630.93	1.32	1.17
Income Ins.	269.59	0.56	
Hothouse	4,608.32	9.65	15.91
Income Ins.	161.75	0.34	
Other	3,620.56	7.58	5.30
TOTAL	47,755.30		

SOURCE: Ministry of Agriculture and Food, 1983.

TABLE 21

AREA IN FIELD CROPS BY FARM SALES, 1981: DUNCAN-IN HECTARES

	$250-1599	$1600-2499	$2500-4999	$5000-9999	$10000-49999	$50000 OR MORE	TOTAL
Number of Farms	318	225	271	153	156	153	1,276
Flaxseed	-	-	-	-	-	-	-
Farms Reporting	-	-	-	-	-	-	-
Canola	-	-	-	-	-	-	-
Farms Reporting	-	-	-	-	-	-	-
Tame Hay - Total	332	342	666	718	1,316	2,652	6,027
Farms Reporting	120	99	138	87	88	88	620
Alfalfa and Mixtures	15	49	21	38	51	25	199
Farms Reporting	6	4	9	8	3	7	37
Other Tame Hay	317	293	644	681	1,265	2,627	5,828
Farms Reporting	115	95	133	83	86	87	599
Oats for Fodder	16	26	18	49	54	47	210
Farms Reporting	11	8	14	12	15	10	70
Other Fodder Crops	24	2	33	24	6.5	144	233
Farms Reporting	10	1	8	7	2	9	37

Source: 1981 Census of Agriculture.

TABLE 22
DUNCAN AGRICULTURAL DISTRICT
AREA OF VEGETABLES ON FARMS, IN HECTARES- 1981 CENSUS OF AGRICULTURE

	$250-1,599	$1,600-2,499	$2,500-4,999	$5,000-9,999	$10,000-49,999	$50,000+	TOTAL
Number of Farms	318	225	271	153	156	153	1,276
Vegetables	11	8.7	17	6.2	30	241	314
Farms Reporting	39	31	27	10	15	19	141
Asparagus	0.36	0.08	0.41	-	-	0.42	0.97
Farms Reporting	5	2	1	-	-	1	9
Beans	0.61	0.36	1.3	0.24	0.49	1.5	4.4
Farms Reporting	11	5	11	4	3	5	39
Beets	0.57	0.2	1.3	0.16	1.5	4.0	7.7
Farms Reporting	11	4	11	4	4	6	40
Broccoli	0.45	0.28	1.2	0.12	0.36	4.8	7.2
Farms Reporting	7	5	5	2	4	7	30
Cabbage	0.28	0.08	1.5	0.12	0.97	46	49
Farms Reporting	7	2	7	3	5	14	38
Carrots	1.1	0.28	0.93	0.16	1.7	30	34
Farms Reporting	11	5	7	3	5	12	43
Cauliflower	0.45	0.45	1.2	0.89	3.0	43	49
Farms Reporting	7	5	5	3	3	12	35
Cucumbers	0.28	0.12	0.08	0.16	0.61	3.4	4.7
Farms Reporting	6	3	2	4	2	7	24
Green Peas	0.61	0.08	0.57	0.73	0.24	1.5	3.8
Farms Reporting	10	2	7	4	2	4	29
Lettuce	0.57	0.28	0.2	0.16	0.89	18	20
Farms Reporting	8	5	5	3	5	8	34
Onions (Dry)	0.28	0.12	0.16	0.49	0.85	14	15
Farms Reporting	5	2	4	3	2	8	24
Rutabagas	0.16	-	1.6	0.2	4.7	8.7	15
Farms Reporting	1	-	4	3	3	8	19
Sweet Corn	1.1	3.4	3.4	1.7	12	51	72
Farms Reporting	11	16	15	6	9	9	66
Tomatoes	1.5	0.69	0.65	0.32	0.49	0.89	4.5
Farms Reporting	13	9	9	2	5	3	41
Other Vegetables	3.0	2.3	2.3	0.77	2.8	15	26
Farms Reporting	19	14	12	6	8	7	66

TABLE 23
DUNCAN AGRICULTURAL DISTRICT
AREA IN SMALL FRUITS BY FARM SALES IN HECTARES-1981 CENSUS

	$250-1,599	$1,600-2,499	$2,500-4,999	$5,000-9,999	$10,000-49,999	$50,000+	TOTAL
Number of Farms	318	225	271	153	156	153	1,276
Small Fruits	16	4.1	12	7.1	8.8	16	64
Farms Reporting	29	21	26	11	9	5	101
Strawberries	3.0	2.5	6.7	4.6	3.4	14	34
Farms Reporting	12	11	12	6	5	5	51
Grapes	8.5	0.24	0.41	0.2	-	-	9.3
Farms Reporting	4	5	1	1	-	-	11
Other Berries	4.7	1.3	5.1	2.4	5.4	2.2	21
Farms Reporting	22	10	18	5	7	3	65

Source: 1981 Census of Agriculture.

TABLE 24
DUNCAN AGRICULTURAL DISTRICT
AREA IN TREE FRUITS BY FARM SALES IN HECTARES-1981 CENSUS

	250-1,599	$1,600-2,499	$2,500-4,999	$5,000-9,999	$10,000-49,999	$50,000+	TOTAL
Number of Farms	318	225	271	153	156	153	1,276
Tree Fruits	36	20	29	21	11	18	135
Farms Reporting	39	32	33	16	10	5	135
Apple	27	10	20	15	8.1	15	95
Farms Reporting	39	31	33	16	10	4	133
No. of Apple Trees	3,262	1,949	3,324	5,722	2,247	6,085	22,589
Pear	3.5	2.1	2.8	2.2	1.7	1.1	13
Farms Reporting	29	24	19	10	7	3	92
Number of Pear Trees	219	159	162	77	163	146	926
Plum and Prune	2.1	1.9	2.6	1.9	0.81	0.08	9.5
Farms Reporting	28	24	21	9	7	2	91
Number of Trees	199	120	135	66	125	10	655
Cherry (Sweet)	1.8	3.2	3.0	1.0	0.28	0.85	10
Farms Reporting	23	18	16	8	2	2	69
No. of Cherry Trees	217	224	207	25	10	82	765
Cherry (Sour)	0.41	0.69	0.12	0.69	-	0.04	1.9
Farms Reporting	10	8	2	3	-	1	24
Number of Trees	20	47	4	31	-	1	103
Peach	0.61	1.5	0.73	0.65	0.2	-	3.7
Farms reporting	12	15	14	7	2	-	50
No. of Peach Trees	41	173	83	17	131	-	445
Apricot	0.49	0.12	0.2	0.24	0.04	-	1.1
Farms reporting	10	3	5	2	1	-	21
No. of Apricot Trees	30	3	9	4	1	-	47

Source: 1981 Census of Agriculture.

TABLE 25
DUNCAN AGRICULTURAL DISTRICT
AREA IN SPECIALTY CROPS BY FARM SALES IN HECTARES-1981 CENSUS

	$250-2,499	$2,500-9,999	$10,000-49,999	$50,000+	TOTAL
Number of Farms	543	424	156	153	1,276
Nusery Products	21	3.6	24	72	120
Farms Reporting	27	11	20	13	71
Greenhouse Sq. Metres	5,367	3,246	27,239	87,347.	123,199
Farms Reporting	38	23	25	31	117

Source: 1981 Census of Agriculture.

TABLE 26
DUNCAN AGRICULTURAL DISTRICT
LIVESTOCK NUMBERS BY FARM SALES-1981 CENSUS

	$250-2,499	$2,500-9,999	$10,000-49,999	$50,000+	TOTAL
Number of Farms	543	424	156	153	1,276
Cattle-Total Number	2,215	3,964	2,854	9,325	18,358
Farms Reporting	277	276	95	86	734
Cows-Total Number	786	1,392	1,028	4,985	8,191
Farms Reporting	217	221	82	79	599
Dairy Cows-Number	218	190	151	4,547	5,106
Farms Reporting	75	69	26	67	237
Beef Cows-Number	568	1,202	877	438	3,085
Farms Reporting	165	187	67	18	437
Heifers-Total Number	403	717	610	2,002	3,732
Farms Reporting	155	185	72	75	487
Steers-Number	255	449	236	287	1,227
Farms Reporting	127	157	48	21	353
Bulls-Number	84	116	97	73	370
Farms Reporting	65	89	47	40	241
Calves-Number	687	1,290	883	1,978	4,838
Farms Reporting	212	226	80	80	590
Pigs-Total Number	785	670	2,068	1,597	5,120
Farms Reporting	95	81	22	7	205
Sheep-Total Number	3,336	5,521	5,080	291	14,228
Farms Reporting	135	117	29	8	289
Horses-Number	447	427	193	54	1,121
Farms Reporting	128	108	34	14	284

Source: 1981 Census of Agriculture.

TABLE 27
DUNCAN AGRICULTURAL DISTRICT
POULTRY NUMBERS BY FARM SALES-1981 CENSUS

	250-2,499	$2,500-9,999	$10,000-49,999	$50,000+	TOTAL
Number of Farms	543	424	156	153	1,276
Hens/Chickens Total No.	15,936	18,778	10,705	849,975	895,394
Farms Reporting	330	260	65	55	710
Turkeys-Number	n.a.	n.a.	n.a.	n.a.	n.a.
Farms Reporting	26	28	12	2	68
Geese-Number	606	465	130	19	1,220
Farms Reporting	72	57	11	4	144
Ducks-Number	1,041	745	80	23	1,889
Farms Reporting	89	68	13	6	176

Source: 1981 Census of Agriculture.

APPENDIX

TERMS USED IN THE CENSUS OF AGRICULTURE

Census-farm areas

The area of census-farms reported for each subdivision represents the area of land operated by farmers whose headquarters are in the subdivision.

Crown lands, usually pasture land, which were operated under a lease agreement with federal, provincial or municipal governments, are reported as part of the farming operation of the person to whom the land was leased. However, land which was used under a per head grazing permit or fee is not included.

Large areas of timber land or other non-agricultural land held by the operator, but operated apart from the farm business, are excluded.

Use of Land

All farm land is classified according to use under two major divisions: improved and unimproved land.

Improved Land

1) Crop land - Included in this item is the total area of crop land sown for harvest in the census year. Crop land includes the total area of all field crops, plus the areas of fruits, vegetables, greenhouses, mushroom houses and nursery products. Because some crops are reported in fractions of a hectare, there may be slight differences between the sum of the individual crop areas and the total crop land.

2) Improved pasture - All land which was being used for pasture or grazing and which has had some improvements made to it in recent years is included. Improvements would include cultivation, drainage, irrigation, fertilization, seeding down or spraying.

3) Summer fallow - The enumerator was instructed to include in this item land from which no crop was to be harvested during the census year, but which was to be cultivated or worked during the year for weed control and/or for moisture conservation.

4) Other improved land - This item includes the area of barnyards, home gardens, lanes and roads on farms. It also includes areas of cultivated land that were lying idle, being neither summer-fallowed nor cropped, and areas of new breaking that had not been seeded to a crop.

Unimproved Land

The area of unimproved land consists of the total areas reported for 1) woodland and 2) other unimproved land.

1) Woodland - This includes farm woodlots, land leased for cutting, sugar bush and cut-over land with young growth which has or will have value as timber, fuelwood or Christmas trees. The area of tress planted for wind-breaks was also to be included. It excludes large timber tracts which are run as a separate business from the farm. There is some evidence that changes in the area of this item between censuses may be due to differences in interpretation. This would be particularly true in areas of bushland.

2) Other unimproved land - Areas of native pasture or hay land that had not been cultivated, bush pasture, grazing or waste land, sloughs, marsh and rocky land et cetera, are all included in this item.

TERMS USED IN LAND CAPABILITY RATINGS

Class 1	land is capable of producing the very widest range of vegetables, cereal grains, forages, berry fruits and numerous specialty crops. Soil and climatic conditions are opitimum.
Class 2	land is capable of producing a wide range of regional crops as above with some differences in variety due to minor restrictions of soils and climate.
Class 3	land is capable of producing a fairly wide range of regional crops under good management practices. Soils and/or climate limitations are somewhat restrictive.
Class 4	land is capable of a restricted range of regional crops such as hardy cereal grains, hardy vegetables, and forages. Soil and climate limitations demand special management considerations.
Class 5	land is capable of production of perennial forage crops only. Soil and/or climate restrictions severely limit the land's capability.
Class 6	land is natural rangeland. Soil and/or climate limitations preclude cultivation, but the land may be important in its natural state as grazing land.
Class 7	land has no agricultural capability whatsoever.
UNIMPROVED	These figures are derived from the Canada Land Inventory dry-farm ratings. They do not reflect either present land use or the state of readiness for cultivation, but only the potential capability if used for agriculture.
IMPROVED	These figures are derived from the Canada Land Inventory irrigated ratings. They reflect the capabitity for agriculture if the land unit were irrigated and/or drained. They do not indicate whether the land unit is presently either irrigated or drained.
WATER SURFACES	This category includes all non-seasonal lakes and rivers. It also includes that part of the Strait of Georgia, between Vancouver Island and the Mainland , that falls within latitudes 49 N to 51 N.
OTHER	This category includes all regions of the province that were not mapped due to limited agricultural potential, national parks, and unmapped urban areas.

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